

GIBBONS, DEL DEO, DOLAN, GRIFFINGER & VECCHIONE

RECEIVED
CENTRAL FAX CENTERA PROFESSIONAL CORPORATION
ATTORNEYS AT LAW

APR 28 2005

ONE PENNSYLVANIA PLAZA, 37TH FLOOR
NEW YORK, N.Y. 10119-3701OFFICE: (212) 649-4700
FACSIMILE: (212) 333-5980

Telecopy Cover Sheet

TELECOPY NUMBER: 1-703-872-9306 CONTACT NUMBER: _____

PLEASE DELIVER THE FOLLOWING PAGES TO:

NAME: United States Patent and Trademark Office _____
FROM: Boris Matvenko (Reg. No. 48,165) *BSM* _____
RE: 103291 - 42920 DATE: 4/28/2005
Client Matter

TOTAL NUMBER OF PAGES TRANSMITTED, INCLUDING THIS SHEET: 23

TRANSMITTED BY: _____ TIME OF TRANSMISSION: _____

MESSAGE:

CONFIDENTIALITY NOTE

Document(s) accompanying this telecopy transmission contain(s) information from the law firm of Gibbons, Del Deo, Dolan, Griffinger & Vecchione which is confidential and/or legally privileged. The information is intended only for the use of the individual or entity named on this transmission sheet. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or the taking of any action in reliance on the contents of this telecopied information is strictly prohibited, and that the documents should be returned to this firm immediately. In this regard, if you have received this telecopy in error, please notify us by telephone immediately so that we can arrange for the return of the original documents to us at no cost to you.

IF YOU DO NOT RECEIVE ALL OF THE PAGES INDICATED ABOVE, PLEASE CALL US AS SOON AS POSSIBLE.

PTO/SB/07 (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

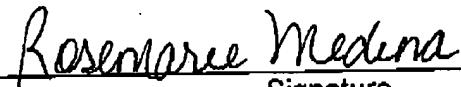
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Certificate of Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office to (703) 872-9306:

on April 28, 2005

Date



Signature

Rosemarie Medina

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

The following is being submitted to the United States Patent and Trademark Office with regard to U.S. Patent Application No. 10/053,096:

- Transmittal Form (1 page)
- Information Disclosure Statement (2 pages)
- Forms PTO/SB/08A and PTO/SB/08B (3 pages)
- Article, Paradiso, J., The Interactive balloon: Sensing, actuation... (15 pages)

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/21 (09-04)

Approved for use through 07/31/2008. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL
FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number 10/053,096

Filing Date January 18, 2002

First Named Inventor Melchiorre Tripoli III

Art Unit 2637

Examiner Name Michalek, J.

Attorney Docket Number 103291-42920

Total Number of Pages in This Submission

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> - Certificate of Transmission Under 37 CFR 1.8
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Gibbons, Del Deo, Dolan, Griffinger & Vecchione		
Signature			
Printed name	Boris A. Matvenko		
Date	April 28, 2005	Reg. No.	48,165

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	Rosemarie Medina		
Typed or printed name	Rosemarie Medina	Date	April 28, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Attorney Docket No: 103291-42920

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Melchiore Tripoli III Examiner : Michalski, J.
Application No.: 10/053,096 Art Unit : 2837
Filing Date : January 18, 2002 Confirmation No. : 1835
For : **STEPPED SOUND PRODUCING MODULE**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty to disclose, Applicant submits herewith Forms PTO-SB/08A and PTO-SB/08B. All references disclosed herewith are in the English language.

Consideration of this Information Disclosure Statement is respectfully requested, since the information provided herein may be material to the patentability of the subject application as defined in 37 C.F.R. §1.56. The submission of references identified in this Information Disclosure Statement should not be construed by the Examiner that a comprehensive search through the prior art was conducted; it is requested that the Examiner make such a comprehensive search.

The applicants request that the references cited on the accompanying Forms PTO-SB/08A and PTO-SB/08B be made of record because, as checked off below, the following applies:

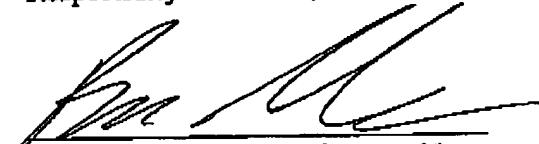
X either (a) this submission precedes issuance of a first Office Action on the merits or (b) a Certification of Timely Filing Under 37 CFR 1.97(e) accompanies this submission and neither a final Office Action nor a Notice of Allowance has issued. No fee is due.

#100142 v1
103291-42920

neither a final Office Action nor a Notice of Allowance has issued and no Certification of Timely Filing Under 37 CFR 1.97(e) accompanies this submission. A late submission fee under 37 CFR 1.97(c) is due.

either a final Office Action or a Notice of Allowance has issued. Petition is made for consideration of the accompanying references. A petition fee is due together with a Certification of Timely Filing Under 37 CFR 1.97(e).

Respectfully submitted,



Dated: April 28, 2005

Boris Matvenko, Reg. No. 48,165
GIBBONS, DEL DEO, DOLAN, GRIFFINGER &
VECCHIONE
One Pennsylvania Plaza-37th Floor
New York, New York 10119
(212) 649-4700

#100142 v1
103291-42920

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Substitute for form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

Application Number	10/053,096
Filing Date	January 18, 2002
First Named Inventor	Trilpoli, Melchiorre
Art Unit	2637
Examiner Name	Michalski, J
Attorney Docket Number	103291/42920

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)	MM-DD-YYYY		
1	US- 5,309,519		05/03/1994	Park	
2	US- 5,115,472		05/19/1992	Park	
3	US- 4,638,207		01/20/1987	Radice	
4	US- 5,655,100		09/10/1996	Bloomfield et al.	
5	US- 4,737,981		04/12/1988	Haberman et al.	
6	US- 5,559,611		09/24/1996	Bloomfield et al.	
7	US- 5,167,712		10/20/1992	Wallen, Jr.	
8.	US- 4,922,527		05/01/1990	Nonami	
9	US- 5,403,222		04/04/1995	Koenig et al.	
10	US- 4,920,674		05/01/1990	Shaeffer	
11	US- 5,648,129		07/15/1997	Lee et al.	
12	US- 5,108,338		04/28/1992	Margolis	
13	US- 4,704,934		11/10/1987	Nosrati	
14	US- 4,823,907		04/25/1989	Hoshi	
15	US- 4,817,138		03/28/1989	Thomke et al.	
16	US- 5,254,007		10/19/1993	Eagan	
17	US- 5,893,798		04/13/1999	Stambolic et al.	
18	US- 5,669,702		09/23/1997	Wang	
19	US- 3,740,543		06/19/1973	Franc	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 600. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴Enter the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete. Including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 3

Complete If Known

Application Number	10/053,096
Filing Date	January 18, 2002
First Named Inventor	Tripoli, Melchiorre
Art Unit	2837
Examiner Name	Michalski, J.

Attorney Docket Number 103291/42920

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	20	US- 5,215,492	06/01/1993	Kubiatowicz	
	21	US- 4,464,861	08/14/1984	Fogarty et al.	
	22	US- 5,054,778	10/08/1991	Maleyko	
	23	US- 6,238,067	06/29/2001	Hirsch	
	24	US- 5,609,411	03/11/1997	Wang	
	25	US- 5,725,445	03/10/1998	Kennedy	
	26	US- 5,782,668	06/21/1998	Chabert	
	27	US- 6,482,065	11/19/2002	Blackman	
	28	US- 3,649,789	03/14/1972	Stoll	
	29	US- 6,012,826	01/11/2000	Chabert	
	30	US- 3,478,343	11/11/1969	Wallace	
	31	US- 6,821,183	11/23/2004	Blackman et al.	
	32	US- 5,936,521	08/10/1999	Blackman	
	33	US- D469,429	11/28/2003	Blackman	
	US-				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ³
		Country Code ² -Number ⁴ -Kind Code ³ (if known)				

Examiner Signature _____ Date Considered _____

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (08-03)

Approved for use through 07/31/2008. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
1100 L Street, N.W., Washington, D.C. 20591-0001. It contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information, unless it contains a valid OMB control number.

<p>Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.</p> <p>Substitute for form 1449/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(Use as many sheets as necessary)</i></p>				Complete if Known	
				Application Number	10/053,096
				Filing Date	January 18, 2002
				First Named Inventor	Tripoli, Melchiorre
				Art Unit	2837
				Examiner Name	Michalski, J.
Sheet	3	of	3	Attorney Docket Number	103291/42920

NON-PATENT LITERATURE DOCUMENTS

Examiner Signature	Date Considered	
-----------------------	--------------------	--

***EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.**

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER: _____**

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.